


Unit - 3 : Internet Security and Privacy

Que No	Question Description	Option A	Option B	Option C	Option D	Correct Option
1	State whether True or False: Data encryption is primarily used to ensure confidentiality.	TRUE	FALSE	Can not Be interpreted	None	A
2	In which of the following, a person is constantly followed/chased by another person or group of several peoples?	Phishing	Bulling	Stalking	Identity theft	C
3	Which of the following usually observe each activity on the internet of the victim, gather all information in the background, and send it to someone else?	malware	spyware	Adwarw	All of the above	B
4	To protect the computer system against the hacker and different kind of viruses, one must always keep _____ on in the computer system.	Antivirus	Firewall	Vlc Player	Script	B
5	In the computer networks, the encryption techniques are primarily used for improving the _____	Security	Performance	Reliability	Longevity	A
6	Which of the following statements is correct about the firewall?	It is a device installed at the boundary of a company to prevent unauthorized physical access.	It is a device installed at the boundary of an incorporate to protect it against the unauthorized access.	It is a kind of wall built to prevent files form damaging the corporate.	None of the above.	B
7	In order to ensure the security of the data/ information, we need to _____ the data:	Encrypt	Decrypt	Delete	None of the above.	A
8	Which of the below is a part of Security.	Log-on Security	File System Security.	Auditing	All of the Above	D
9	Which of the following technique is used to know that the data is not altered by another person	Digital Certificate	Digital lock	Both A and B	None	A
10	what is a barrier between Local Area Network (LAN) and the Internet?	Firewall	Router	Hub	None	A
11	In Digital Signature, Which below functionalities are used.	Authentication	Integrity	Non-repudiation	All of the Above	D
12	In Public Key Encryption Which of the following Key/Keys are used?	Public key	Private Key	Both A and B	None	C
13	What is the term for unwanted Email?	Spam	backbone	newsgroup	usenet	A
14	Encryption system is?	Symmetric key encryption algorithm	not an encryption algorithm	Asymmetric key encryption algorithm	None of the above	A
15	An asymmetric-key cipher uses _____ keys	1	2	3	4	B

Que No	Question Description	Option A	Option B	Option C	Option D	Correct Option
16	Cryptography term is used to transforming messages to make them secure and to prevent from	change	defend	idle	attacks	D
17	DES stands for.....	Data Encryption Slots	Data Encryption Standards	Data Encryption Solutions	Data Encryption Subscription	B
18	What is cipher in Cryptography ?	Algorithm for performing encryption	Algorithm for performing decryption	Encrypted Messages	Both algorithm for performing encryption and Decryption and encrypted message	D
19	The message before being transformed, is	simple text	cipher text	plain text	empty text	C
20	What is encryption?	When you put data / text into code making it difficult to read or understand.	A secret or disguised way of writing; a code.	A formal language designed to communicate instructions to a machine	What is put in, taken in, or operated on by any process or system.	A
21	_____ translates data into unreadable form	Data Decryption	Digital Signature	Data Encryption	All Of These	C
22	A digital signature is a mathematical technique which validates?	Integrity	Non-repudiation	authenticity	All of the above	C
23	The Digital Signature Certificate under the IT Act, 2000 is issued by the_____	Controller	Certifying Authority	Appellate Tribunal	Cyber Authority	B
24	A_____ firewall examines packets in isolation and does not know the packet's context.	stateful inspection	packet-filtering	proxy	Next Generation	B
25	A proxy firewall (aka application-level gateway) inspects packets at the application layer of the Open Systems Interconnection (OSI) reference model.	stateful inspection	packet-filtering	proxy	Next Generation	A
26	Which of the following is considered as the unsolicited commercial email?	Malware	Spam	Virus	All of the above	B
27	It can be a software program or a hardware device that filters all data packets coming through the internet, a network, etc. it is known as the_____.	Firewall	Antivirus	Cookies	Malware	A
28	Which one of the following refers to the technique used for verifying the integrity of the message?	Message Digest	Digital signature	Protocol	Decryption algorithm	A
29	_____ is the kind of firewall is connected between the device and the network connecting to internet.	Software Firewall	Hardware Firewall	Microsoft Firewall	Stateful Inspection Firewall	B
30	_____ is a process which verifies the identity of a user who wants to access the system.	Integrity	Authentication	Non-repudiation	None of the above	B

Que No	Question Description	Option A	Option B	Option C	Option D	Correct Option
31	which protocol is related with Internet Security?	Internet Security Protocol	Secure Socket Layer	Both	None	C
32	In which type of encryption, only one key is there?	Symmetric Key	Asymmetric key	Public key	None	A
33	what allows keeping private resources confidential?	Router	Modem	Firewall	ISP	C
34	what is used to track data of your browsing habits and show you advertisements?	Adware	Trojan Horse	Spam	Adworks	A
35	_____ is the message after transformation in cryptography.	Cipher text	Plain text	Secret text	None	A
36	Firewall is a type of _____.	Virus	Security threat	Worm	None	D
37	_____ means the protection of data from modification by unknown users.	Confidentiality	Integrity	Authentication	Non-repudiation	B
38	Data _____ is used to ensure confidentiality.	Encryption	Locking	Decryption	Backup	A
39	The _____ is encrypted text.	Cipher script	Cipher text	Secret text	Secret Script	B
40	asymmetric-key (or public key) cipher uses	1 key	2 key	3 key	4 key	B
41	A digital signature needs _____ system	symmetric-key	Asymmetric-key	either (a) or (b)	neither (a) nor (b)	D
42	Firewalls are used to protect against _____	unauthorized Attacks	virus Attacks	Data Driven Attacks	Fire Attacks	A
43	A security tool to verify the authenticity of the message and claimed identity of the sender and to verify the message integrity is	encryption	firewalls	digital certificates	digital signature	D
44	Which of the following is / are the types of firewall?	Packet Filtering Firewall	Dual Homed Gateway Firewall	Screen Host Firewall	Dual Host Firewall	A
45	Public and private both keys are used so it is called as ----- key cryptography.	symmetric	asymmetric	multi-symmetric	None	B
46	This helps in identifying the origin of information and authentic user. This referred to here as _____	Confidentiality	Integrity	Authenticity	Availability	C
47	Which is the largest disadvantage of the symmetric Encryption?	More complex	transmission of the Secret Key.	Less secure	Isn't used any more.	B
48	Message digest needs to be _____	public	private	keep secret	none	C
49	_____ is any process by which a system verifies the identity of a user who wishes to access it.	authentication	authorization	both	none	A
50	A packet filter firewall filters at _____.	Physical layer	Data link layer	Network layer or transport layer	Application layer	C
51 Is the process of giving someone permission to do or have something?	Authorication	Authorization	A & B both	None of the Above	B
52	In which of the following, a person is constantly followed/chased by another person or group of several peoples?	Phishing	Billing	Stalking	Identity theft	C



Que No	Question Description	Option A	Option B	Option C	Option D	Correct Option
53	Which one of the following is a type of antivirus program?	Quick heal	Mcafee	Kaspersky	All of the above	D
54	Data _____ is used to convert original data into meaningless data.	Encryption	Locking	Deleting	Backup	A
55	A program designed to destroy data on your computer is called	Virus	Disease	Torpedo	Hurricane	A